

Tell 'em What You're Gonna Tell 'em

Major Trends

Waste Characterization Study findings

Development of Waste Reduction Goal

Strategy to Reduce Disposal, Increase Recyling



Waste Handling Infratructure

- MSW Landfills
 - 41 Public 3.3 million tons FY 2007
 - 16 Private 9.4 million tons (1.5 imported)
- C&D Landfills
 - 34 Public 1 million tons
 - 19 Private 3.3 million tons
- 319 Closed Disposal Facilities
- 78 Transfer Stations



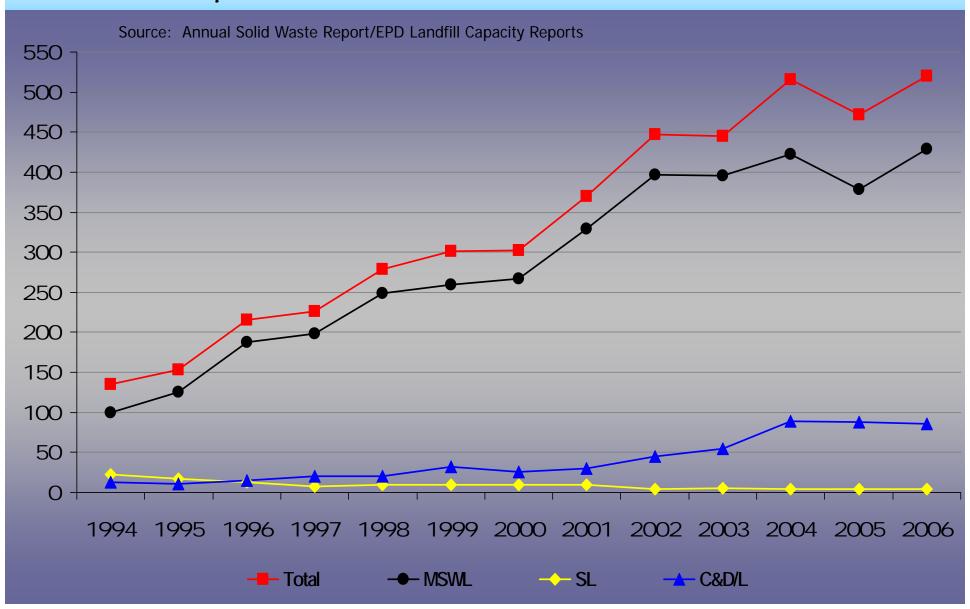
Waste Handling Infratructure (cont'd)

- Average MSW Tip Fee \$35.38
- \$1/tire fee to SWTF (Hallelujah)
- \$0.75/ton to HWTF
- Remaining Capacity
 - MSW 29 years
 - C&D 41 years



Georgia Disposal Capacity

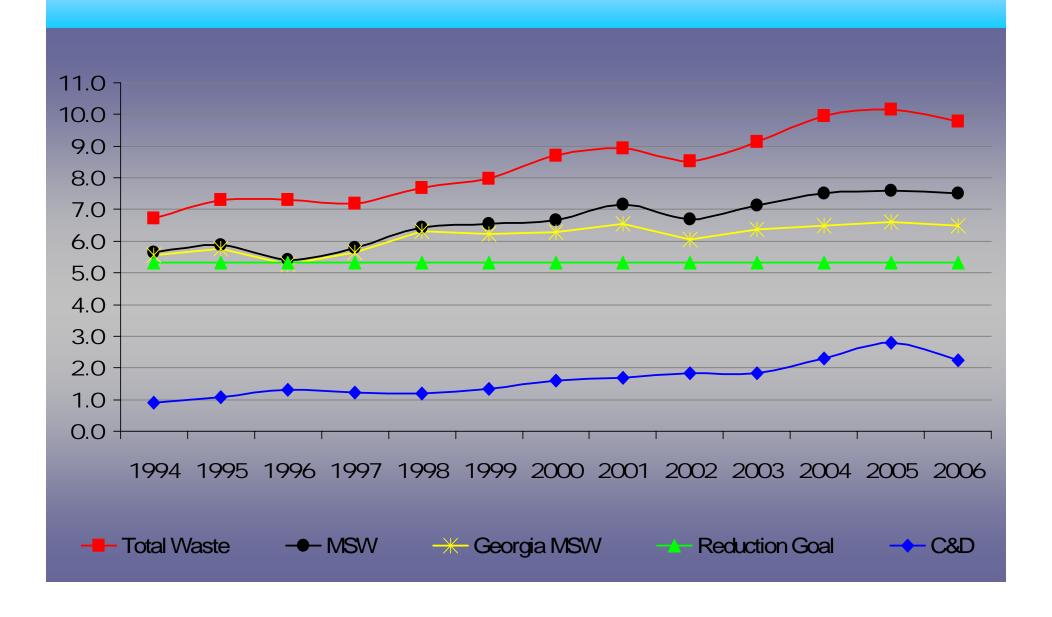
Reported in Million Cubic Yards



Out-of-State MSW Imports



Per Capita Waste Disposal



Breakdown of Sort

39 Different Categories

- Paper 7 subgroups
- Plastic 6 subgroups
- Glass 4 subgroups
- Metal 4 subgroups
- Organics 7 subgroups
- C&D 5 subgroups
- Inorganics 6 subgroups



Remove Sample From Incoming Vehicles





Sorting of Waste





568 Samples Collected & Sorted

(60 Tons of Waste)

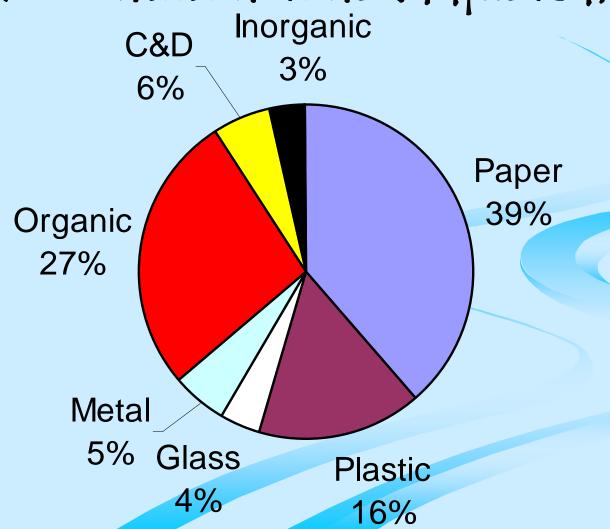
- 14 Weeks of Sorting (Sept. 2003 to Sept 2004)
 - 120 Fall (21%)
 - 132 Winter (23%)
 - 161 Spring (28%)
 - 155 Summer (27%)
- Generating Sector
 - 240 Residential (42%)
 - 225 Commercial (40%)
 - 102 Mixed (20%)
- Facility Ownership
 - 330 Private (58%)
 - 238 Public (42%)



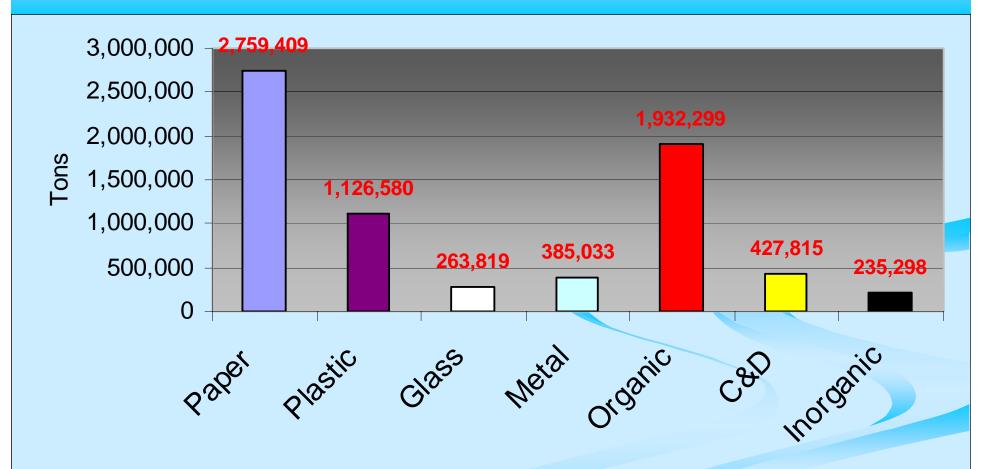


Georgia MSW Waste Composition FY 2006 Disposal

7.13 million tons (adjusted)



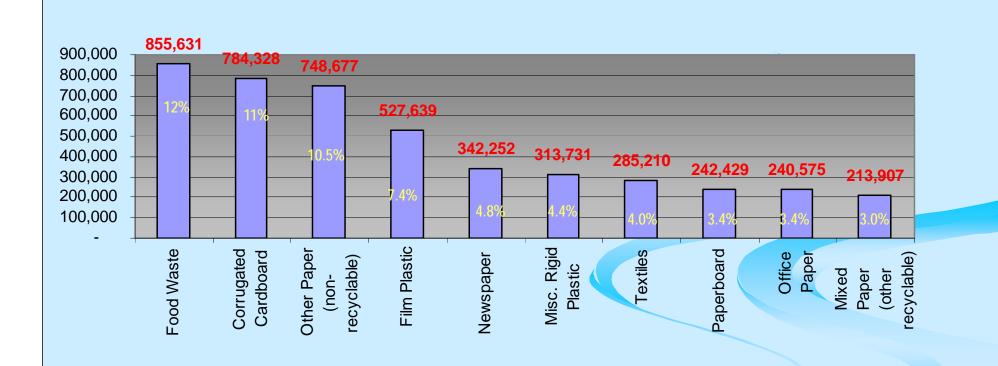
Disposal Rate of MSW in Georgia





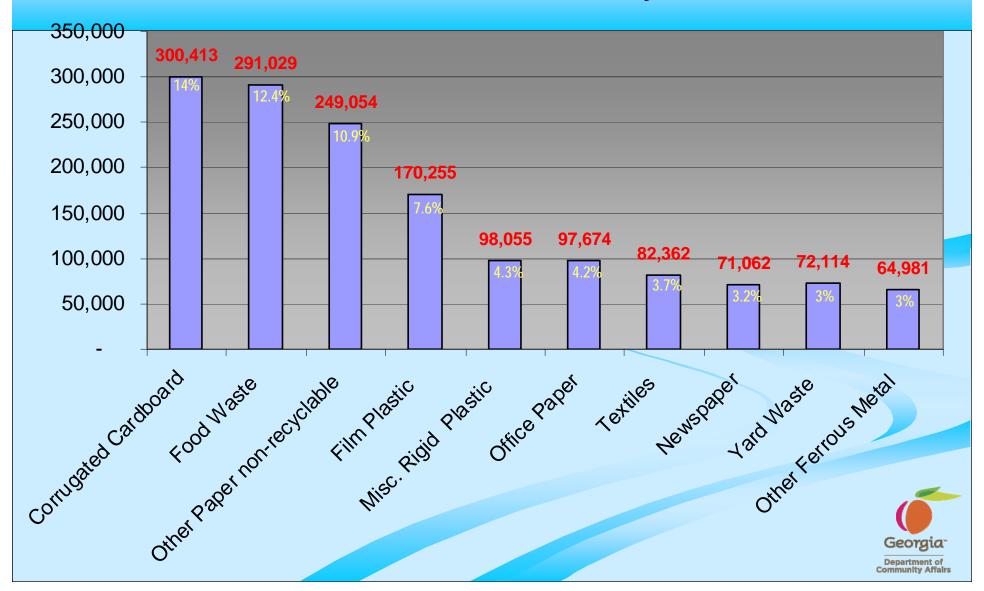
Top 10 MSW Materials Disposed

In Tons





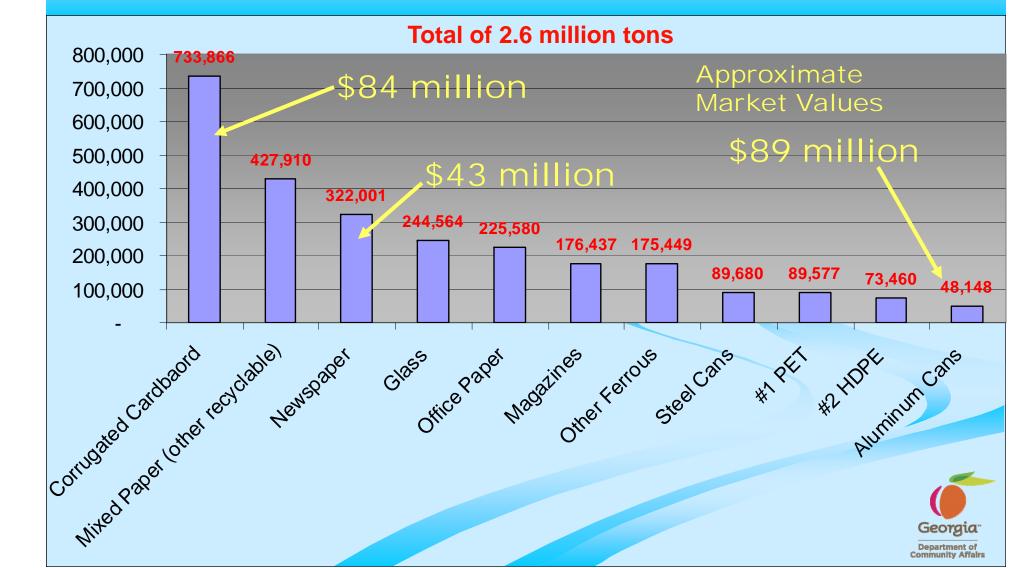
Top 10 Commercial MSW Materials Disposed



Top 10 Residential MSW Materials Disposed



Georgia's Disposal Rate of Recyclables in Tons



Georgia's Paper Industry

- 10 Pulp & Paper Companies Headquartered
- 9 of the 16 Mills using recycled fiber rely exclusively on recycled materials for their operations
- \$10 billion annual shipments of paper products
- 25,000 Employees Annual payroll \$1 billion
- Georgia Mills consumed over 2.7 million tons of recovered paper in 2003, over 7.7% of total US consumption



Georgia's Plastic Industry

- Almost 2% of Georgia's Workforce with 74,810 Employees with an annual payroll of approx. \$940 million
- \$8.7 billion in annual sales
- 1/3rd of all PET Beverage Containers recycled in N.
 America are recycled in Georgia
- 54 of the 495 plastic manufacturers use recycled plastic in their operations



Aluminum & Glass

Novelis - Aluminum Recycler in Greensboro, Georgia

- Glass
 - Strategic Recycling, supplying glass to 2
 Manufacturers using recycled glass in the State



Barriers to Increased Waste Diversion

Competition with low tipping fees

- Lack of:
 - Civic Will/Understanding
 - Cost-effective/Convenient Collection Infrastructure
 - Regional Processing Capacity





Plan for Action - Partnerships

- Established Waste Disposal Reduction Goals
- Away-from Home Recycling Program
- Statewide Recycling Marketing Campaign
- Regional Recycling Collection Hubs
- Establish Recycling Performance Metrics



Commodity Goals Established

Per Capita MSW Disposal Rate/MSW Reduction Goal					
Commodity	Actual 2004	Projected 2012	Projected % 2012	Projected 2017	Projected % 2017
Glass	0.153	0.140	8%	0.140	8%
Paper	1.181	1.000	15%	0.850	28%
Metal	0.228	0.198	13%	0.186	18%
Plastic	0.663	0.560	16%	0.530	20%
Total	2.23	1.99	11%	1.71	23%



Governor's Response

Go Big . . .

. . Go Bold

. . Let's do it





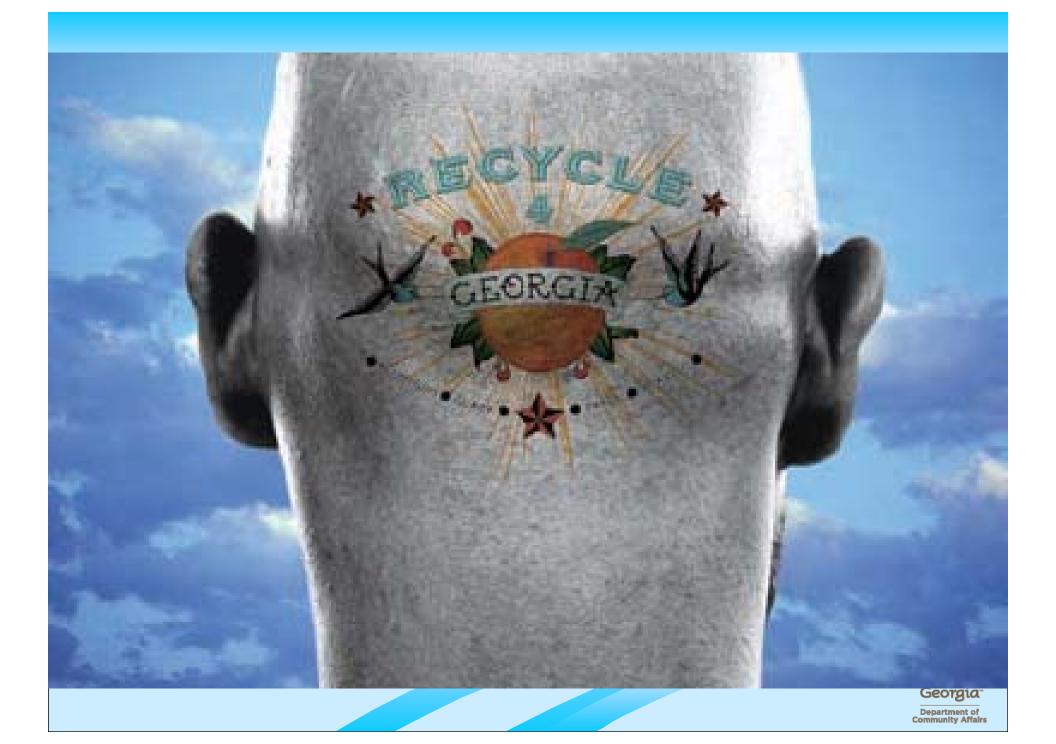
Away-From-Home Recycling

Complete Turn-key Program – Equipment Grant



















Statewide Media Campaign

Establish a Recycling Advisory Panel :

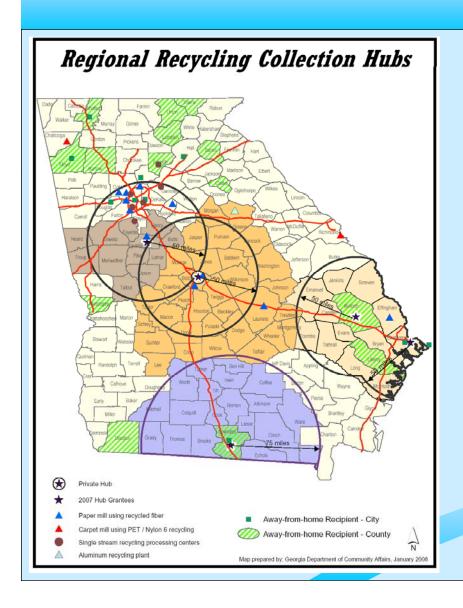
- Identifying programs/activities to achieve goals;
- Guide the Development of the Campaign
- Monitor waste reduction progress and programs.

Hire Communications Research Firm

- 13 proposals received last week
- Baseline for recycling attitude, awareness, participation
- Identify potential target audience(s)
- Test market messages
- Post-Campaign Assessment



Recycling Collection Hubs



- Anticipated Benefits
 - Serve 24% State's Population or 19% of the Households
 - 185% Increase in Recovered Materials from Grantees
 - \$514,000 in avoided tip fees
 - \$370,000 in revenue for Host Communities
 - ROI of SWTF is 2.8 yrs



Griffin Hub

- Grant Request \$612,000
- Local Match \$329,000
- Private Sector/Partner Match \$190,000
- # of Households Served 325,813
- Estimated % increase in Recovered Materials 162%
- Projected Market Value of Recovered Materials \$26,310
- Estimated Landfill Savings \$35/ton \$92,085
- ROI 4.65 yrs



Griffin Hub (cont'd)

- Address hauling/air quality issues in metro area
- Serves south metro Atlanta with minimal recycling efforts
- Commercial Focus -
- Existing Mandatory Program control data for other curbside programs
- Service includes communities like LaGrange, Henry, and Fayette Counties



Valdosta Hub

- Grant Request \$425,000
- Local Match \$30,000
- Private Sector/Partner Match \$137,500
- # of Households Served 90,865
- Estimated % increase in Recovered Materials 90%
- Projected Market Value of Recovered Materials \$175,750
- Estimated Landfill Savings \$35/ton \$123,025
- ROI 1.42 yrs



Valdosta Hub (cont'd)

- Historically underserved/supported area of the State
- Strong need for recycling infrastructure development
- Regional cooperation and support
- Public/Private partnership SP Recycling
- 90% increase in recovered materials



Bulloch County Hub

- Grant Request \$287,300
- Local Match\$2,157,400
- Private Sector/Partner Match \$724,340
- # of Households Served 27,193
- Estimated % increase in Recovered Materials 42%
- Projected Market Value of Recovered Materials \$94,200
- Estimated Landfill Savings \$35/ton \$32,970
- ROI 2.26 yrs



Bullloch County Hub (cont'd)

- Establishes single stream processing in coastal Georgia, service currently not available
- Regional cooperation
- Rural Program
- Public Sector Project
- Potential processing back-up for City of Savannah project



Savannah Hub

- Grant Request \$1,214,977
- Local Match \$587,854
- Private Sector/Partner Match \$3,886,856
- # of Households Served 174,591
- Estimated % increase in Recovered Materials 4,451%
- Projected Market Value of Recovered Materials \$76,120
- Estimated Landfill Savings \$35/ton \$266,420
- ROI 2.79 yrs



Savannah Hub (cont'd)

- Strong local commitment hired Recycling Coordinator and budget for on-going education
- Leveraging the construction of a hub
- Catalyst for the region, currently pursuing regional compacts
- Strong incentive for reduction desire to extend landfill and have recycling program supplement or replace waste incinerator
- Public/Private Partnership open bid implementation of curbside program and grant funding is linked to current RFP for private hub development



Effect of Hubs

- Serve 24% of the State's 2000 population
- Serve 19% of the State's 2000 households
- Estimated 185% increase in recovered materials from grantees alone
- Estimated annual savings of \$514,500 in avoided landfill tip fees (\$35/ton)
- Estimated annual market revenues of \$370,000 (actual market value of recovered materials would be higher, this is the estimated revenue to the grantees)
- Estimated return on investment is 2.8 years



Macon Hub

- Private Partnership
 - Macon Iron & Paper Stock Co. and SP Recycling Corp.
- Population Served
 - 277,044 Households
 - 2000 Population of 756,740
 - **2010** Est. Population of 815,612



